

## SUBJECT INDEX

**Aeration**

"Problems and Trends in Activated Sludge Practice." Discussion: Langdon Pearse, 519; Frank C. Roe, Gerard A. Rohlich and Clair N. Sawyer, 717; E. Sherman Chase, 1101; Robert T. Regester, 1319.

**Airports**

"Transatlantic Seaplane Base, Baltimore, Maryland." W. Watters Pagon, 1469.

**American Society of Civil Engineers**

"Standards of Professional Relations and Conduct." Daniel W. Mead, 3. Discussion: Louis E. Ayres, Ivan C. Crawford, Walter H. Wheeler, Charles R. Gow, J. T. L. McNew, and W. L. Watters, 571; Charles F. Scott, M. J. Evans, R. L. Sackett, Alonzo J. Hammond, A. B. McDaniel, C. B. Burdick, John M. Hayes, G. W. Howard, 795; C. Frank Allen, Arthur W. Consoer, George C. Ernst, Frank S. Bailey, S. A. McCosh, John H. Meursinger, Karl W. Lemcke, John Sanford Peck, E. D. Ayres, F. E. Turneaure, Fred Asa Barnes, C. A. Mead, 1145; Adolph J. Ackerman, Daniel W. Mead, 1688.

**Atmosphere**

"The Rôle of the Engineer in Air Sanitation": A Symposium. Discussion: Theodore Hatch, Donald Francis Griffin, Gordon M. Fair, H. G. Dykter, 363; Gilbert H. Dunstan, Charles Lundy Pool, 1097; J. J. Bloomfield, 1317.

**Beaches**

"Beach Erosion Studies." Discussion: Charles T. Leeds, 303; Earl I. Brown, 501.

**Beams**

"Plastic Theory of Reinforced Concrete Design." Charles S. Whitney, 1749.

**Borings**

"Foundation Experiences, Tennessee Valley Authority": A Symposium. James S. Lewis, Jr., Robert M. Ross, Verne Gongwer, Portland P. Fox, James B. Hays, 383. Discussion: George K. Leonard, F. B. Marsh, 980; Berlen C. Moneymaker, R. F. Walter, William F. Prouty, Jacob Feld, A. Warren Simonds, 1199; V. L. Minear, C. E. Blee, 1341.

"Large Core Drills Aid Construction at Chickamauga Dam." Discussion: J. G. Tripp, James B. Hays, O. N. Floyd, 112; James S. Lewis, Jr., 301.

**Bridge Piers**

"Model Tests, Bridge Pier Supported on Long Steel Piles." Thomas F. Comber, Jr., and John M. Coan, Jr., 1033.

*See also Foundations.*

**Bridge Tolls**

"Measuring the Potential Traffic of a Proposed Vehicular Crossing." N. Cherniack, 207. Discussion: Murray D. Van Wagoner, 1184; Charles B. Winlick, James H. S. Melville, 1329; N. Cherniack, 1679.

**Bridges**

"Earthquake Stresses in the San Francisco-Oakland Bay Bridge." Norman C. Raab and Howard C. Wood, 1447. Discussion: Maurice A. Biot, 1864.

"Reconstruction of the Walpole-Bellows Falls Arch Bridge." Discussion: Conde B. McCullough, H. M. Nelson, 125.

**Buildings**

"Simplified Wind-Stress Analysis of Tall Buildings." Discussion: Otto Gottschalk, 651.

"Sixth Progress Report of Sub-Committee No. 31, Committee on Steel of the Structural Division, on Wind Bracing in Steel Buildings." Discussion: Ethan F. Ball, 115.

"Superstructure of Theme Building of New York World's Fair." Shortridge Hardesty and Alfred Hedefine, 1277.

**Cableways**

"Norris Dam Construction Cableways." Discussion: J. S. Foster, 584; Gordon H. Bannerman, 793; Walter F. Weber and Blair Birdsall, G. E. Cate, 1139; Adolph J. Ackerman, 1671; R. T. Colburn, L. A. Schmidt, Jr., 1830.

**Cement**

"Expansion of Concrete Through Reaction Between Cement and Aggregate." Thomas E. Stanton, 1781.

**Channels (Waterways)**

"Lateral Spillway Channels." Discussion: Thomas R. Camp, 107.

*See also Water, Flow of, in Open Channels.*

**Clay**

"Sealing the Lagoon Lining at Treasure Island with Salt." Charles H. Lee, 247. Discussion: G. B. Bodman, John D. Watson, 1187; John W. Pritchett, 1521; Charles H. Lee, 1825.

**Columns**

"Plastic Theory of Reinforced Concrete Design." Charles S. Whitney, 1749.

"Theory of Elastic Stability Applied to Structural Design." Leon S. Moisessoff and Frederick Lienhard, 31. Discussion: Louis Balog, 1713.

**Compression Members**

*See Columns.*

**Concrete**

Concrete control, 891.

"Design of Dowels in Transverse Joints of Concrete Pavements." Discussion: Bengt F. Friberg, 945.

"Expansion of Concrete Through Reaction Between Cement and Aggregate." Thomas E. Stanton, 1781.

**Conduits**

"Cavitation in Outlet Conduits of High Dams." Harold A. Thomas and Emil P. Schuleen, 1623.

**Construction Plant**

*See Contractor's Plant.*

**Contractor's Plant**

"Foundation Experiences, Tennessee Valley Authority": A Symposium. James S. Lewis, Jr., Robert M. Ross, Verne Gongwer, Portland P. Fox, James B. Hays, 383. Discussion: George K. Leonard, F. B. Marsh, 980; Berlen C. Moneymaker, R. F. Walter, William F. Prouty, Jacob Feld, A. Warren Simonds, 1199; V. L. Minear, C. E. Blee, 1341.

**Costs of Work**

"Chicago River Control Works." H. P. Ramey, 71. Discussion: A. E. Niederhoff, R. P. V. Marquardsen, Isaac De Young, John W. Woermann, Edward Soucek, W. C. Weeks, Henry R. King, 1161; H. P. Ramey, 1833.

**Dams**

Bibliography. 827, 906.

"Cavitation in Outlet Conduits of High Dams." Harold A. Thomas and Emil P. Schuleen, 1623.

"Engineering Geology Problems at Conchas Dam, New Mexico." Discussion: Irving B. Crosby, 105.

"Field Tests of a Shale Foundation." Discussion: Harry H. Hatch, 117; Jacob Feld, 321; Jack R. Rountree, August E. Niederhoff, 1217.

"Foundation Experiences, Tennessee Valley Authority": A Symposium. James S. Lewis, Jr., Robert M. Ross, Verne Gongwer, Portland P. Fox, James B. Hays, 383. Discussion: George K. Leonard, F. B. Marsh, 980; Berlen C. Moneymaker, R. F. Walter, William F. Prouty, Jacob Feld, A. Warren Simonds, 1199; V. L. Minear, C. E. Blee, 1341.

"Graphical Arch Analysis Applicable to Arch Dams." Discussion: C. H. Hellbron, Jr., and William H. Saylor, 283.

"Large Core Drills Aid Construction at Chickamauga Dam." Discussion: J. G. Tripp, James B. Hays, O. N. Floyd, 112; James S. Lewis, Jr., 301.

"Miniature System of First-Order Alignment and Triangulation Control." Discussion: William Bowie, Earl O. Heaton, George H. Dell, Charles B. Stanton, C. L. Garner, 1133.

"Norris Dam Construction Cableways." Discussion: J. S. Foster, 584; Gordon H. Bannerman, 793; Walter F. Weber and Blair Birdsall, G. E. Cate, 1189; Adolph J. Ackerman, 1671; R. T. Colburn, L. A. Schmidt, Jr., 1830.

"Progress Report of Sub-Committee No. 2 of the Committee of the Soil Mechanics and Foundations Division on Earth Dams and Embankments on Consolidation of Embankment and Foundation Materials." Glennon Gilboy, Francisco Gomez-Perez, R. M. Haines, J. H. Stratton, K. B. Woods, W. P. Creager, 1491.

**Drilling**

"Large Core Drills Aid Construction at Chickamauga Dam." Discussion: J. G. Tripp, James B. Hays, O. N. Floyd, 112; James S. Lewis, Jr., 301.

**Earth Dams**

"Fort Peck Slide." T. A. Middlebrooks, 1729.

**Earth Pressures**

"General Wedge Theory of Earth Pressure." Discussion: Howard F. Peckworth, 155; Jacob Feld, 349; M. G. Spangler, 707; Donald M. Burmister, 1210; Karl Terzaghi, 1511.

"Settlement Studies of Structures in Egypt." Discussion: Gregory P. Tschebotareff, 633.

**Earthquakes**

"Earthquake Stresses in the San Francisco-Oakland Bay Bridge." Norman C. Raab and Howard C. Wood, 1447. Discussion: Maurice A. Biot, 1864.

**Economics**

"Progress Report of Committee of the Hydraulics Division on Flood-Control Methods; Their Physical and Economic Limitations." John F. Coleman, Harrison P. Eddy, Jr., L. L. Hidinger, E. W. Lane, J. B. Lippincott, J. L. Lytle, Gerard H. Matthes, Charles B. Burdick, 265. Discussion: Lynn Crandall, 990; Charles H. Paul, W. C. Hammatt, William P. Creager, 1194.

**Engineers and Engineering**

Bibliography of the literature on ethics and human engineering. 29.

"Standards of Professional Relations and Conduct." Daniel W. Mead, 3. Discussion: Louis E. Ayres, Ivan C. Crawford, Walter H. Wheeler, Charles R. Gow, J. T. L. McNew, W. L. Waters, 571; Charles F. Scott, M. J. Evans, R. L. Sackett, Alonzo J. Hammond, A. B. McDaniel, C. B. Burdick, John M. Hayes, G. W. Howard, 795; C. Frank Allen, Arthur W. Consoer, George C. Ernst, Frank S. Bailey, S. A. McCosh, John H. Meursinge, Karl W. Lemcke, John Sanford Peck, E. D. Ayres, F. E. Turneaure, Fred Asa Barnes, C. A. Mead, 1145; Adolph J. Ackerman, Daniel W. Mead, 1688.

"The Rôle of the Engineer in Air Sanitation": A Symposium. Discussion: Theodore Hatch, Donald Francis Griffin, Gordon M. Fair, H. G. Dykter, 363; Gilbert H. Dunstan, Charles Lundy Pool, 1097; J. J. Bloomfield, 1317.

**Erosion**

"Beach Erosion Studies." Discussion: Charles T. Leeds, 303; Earl I. Brown, 501.

**Ethics**

"Standards of Professional Relations and Conduct." Daniel W. Mead, 3. Discussion: Louis E. Ayres, Ivan C. Crawford, Walter H. Wheeler, Charles R. Gow, J. T. L. McNew, W. L. Waters, 571; Charles F. Scott, M. J. Evans, R. L. Sackett, Alonzo J. Hammond, A. B. McDaniel, C. B. Burdick, John M. Hayes, G. W. Howard, 795; C. Frank Allen, Arthur W. Consoer, George C. Ernst, Frank S. Bailey, S. A. McCosh, John H. Meursinge, Karl W. Lemcke, John Sanford Peck, E. D. Ayres, F. E. Turneaure, Fred Asa Barnes, C. A. Mead, 1145; Adolph J. Ackerman, Daniel W. Mead, 1688.

**Evaporation**

"Hydrology of the Great Lakes": A Symposium. Discussion: G. H. Hickox, C. R. Pettis, Harold C. Hickman, 131.

**Finance**

"Measuring the Potential Traffic of a Proposed Vehicular Crossing." N.

- Cherniack, 207. Discussion: Murray D. Van Wagoner, 1184; Charles B. Winick, James H. S. Melville, 1329; N. Cherniack, 1679.
- Floods**  
Bibliography, 1274.  
"Functional Design of Flood Control Reservoirs." Discussion: J. C. Stevens, Edward J. Bednarski, Ronald A. Kampmeier, Edgar E. Foster, 507; Sherman M. Woodward, M. Kindlinger, P. Wilhelm Werner, Waldo E. Smith, 695; J. O. Jones, W. C. Hammatt, 961.  
"Maximum Probable Floods on Pennsylvania Streams." Charles F. Ruff, 1239. Discussion: Joseph L. Benson, H. Alden Foster, Edgar E. Foster, 1849.  
"Progress Report of Committee of the Hydraulics Division on Flood-Control Methods: Their Physical and Economic Limitations." John F. Coleman, Harrison P. Eddy, Jr., L. L. Hildinger, E. W. Lane, J. B. Lippincott, J. L. Lytel, Gerard H. Matthes, Charles B. Burdick, 265. Discussion: Lynn Crandall, 990; Charles H. Paul, W. C. Hammatt, William P. Creager, 1194.  
"Progress Report of the Committee on Flood-Protection Data." Robert F. Ewald, Frederick H. Fowler, Ivan E. Houk, C. W. Kutz, Charles W. Sherman, Gerard H. Matthes, 615. Discussion: Waldo E. Smith, 1225; O. J. Todd, 1347; Gordon R. Williams, 1723.  
"Transient Flood Peaks." Discussion: Ivan E. Houk, 176; Gordon R. Williams, Donald M. Baker, 546; James M. Fox, F. C. Finkle, A. L. Sonderagger, Harold C. Troxell and R. Stanley Lord, 745; Karl J. Bermel, R. W. Davenport, 995; Walter J. Wood and Maxwell F. Burke, 1104; Franklin Thomas, 1327; Henry B. Lynch, 1665.
- Foundations**  
"Engineering Geology Problems at Conchas Dam, New Mexico." Discussion: Irving B. Crosby, 105.  
"Field Tests of a Shale Foundation." Discussion: Harry H. Hatch, 117; Jacob Feld, 321; Jack R. Rountree, August E. Niederhoff, 1217.  
"Fort Peck Slide." T. A. Middlebrooks, 1729.  
"Foundation Experiences, Tennessee Valley Authority": A Symposium. James S. Lewis, Jr., Robert M. Ross, Verne Gongwer, Portland P. Fox, James B. Hays, 383. Discussion: George K. Leonard, F. B. Marsh, 980; Berlin C. Moneymaker, R. F. Walter, William F. Prouty, Jacob Feld, A. Warren Simonds, 1190; V. L. Minear, C. E. Blee, 1341.  
"Masonry Dams": A Symposium. Ivan E. Houk and Kenneth B. Keener, R. S. Lieurance, Charles H. Paul and Joseph Jacobs, Irving B. Crosby, L. L. Tyler, Byram W. Steele, 811. Discussion: William P. Creager, J. R. Shank, George R. Rich, Robert A. Sutherland, Ross M. Riegel, Paul Baumann, W. A. Perkins, L. J. Mensch, Lewis H. Tuthill, 1379; F. A. Nickell, Leslie W. Stocker, Barton M. Jones, P. E. Gisiger, Joseph A. Kitts, S. O. Harper, R. F. Blanks, 1529; Berlin C. Moneymaker, A. Warren Simonds, W. J. E. Binnie, 1697; Homer M. Hadley, 1839.
- "Progress Report of a Special Subcommittee of the Committee of the Structural Division on Masonry and Reinforced Concrete on the Practice of State Highway Departments in the Design of Abutments." Edward A. MacLean, 1053. Discussion: J. Wayne Courter, 1349; E. W. Wendell, Stanley Levitt, 1562; Leslie R. Schureman, H. G. Overholt, 1836.  
"Settlement Studies of Structures in Egypt." Discussion: Gregory P. Tschebotareff, 633.  
"Transatlantic Seaplane Base, Baltimore, Maryland." W. Watters Pagon, 1469.
- Frameworks**  
See *Structures, Theory of*.
- Gages**  
"Reliability of Station-Year Rainfall-Frequency Determinations." Katharine Clarke-Hafstad, 1603.
- Geology**  
"Engineering Geology Problems at Conchas Dam, New Mexico." Discussion: Irving B. Crosby, 105.  
"Foundation Experiences, Tennessee Valley Authority": A Symposium. James S. Lewis, Jr., Robert M. Ross, Verne Gongwer, Portland P. Fox, James B. Hays, 383. Discussion: George K. Leonard, F. B. Marsh, 980; Berlin C. Moneymaker, R. F. Walter, William F. Prouty, Jacob Feld, A. Warren Simonds, 1190; V. L. Minear, C. E. Blee, 1341.  
Geological problems of dams. 869.
- Girders**  
"Effective Moment of Inertia of a Riveted Plate Girder." Discussion: Charles M. Spofford, E. Mirabelli, Edward Godfrey, Walter H. Weiskopf, C. D. Williams, 167; Alvin B. Auerbach, Jonathan Jones, R. L. Moore, 357; J. M. Garrels and I. E. Madsen, Francis P. Witmer, A. W. Fischer, 541; J. R. Shank, Harold D. Hussey, 984; Charles U. Kring, Thomas C. Shedd, Scott B. Lilly and Samuel T. Carpenter, 1089.
- "Theory of Elastic Stability Applied to Structural Design." Leon S. Moisiss and Frederick Lienhard, 31. Discussion: Louis Balog, 1713.
- Graphic Statics**  
"Graphical Arch Analysis Applicable to Arch Dams." Discussion: C. H. Hellbron, Jr., and William H. Saylor, 283.
- Groynes**  
See *Shore Protection*.
- Ground Water**  
"Analysis of Legal Concepts of Subflow and Percolating Waters." Discussion: Donald M. Baker, 378; Samuel C. Wiel, Elyde Forbes, Ronald B. Harris, 779; Edward F. Treadwell, O. E. Melzner, M. R. Lewis, Bayard F. Snow, 1020; Harold Conkling, 1130.  
"Foundation Experiences, Tennessee Valley Authority": A Symposium. James S. Lewis, Jr., Robert M. Ross, Verne Gongwer, Portland P. Fox, James B. Hays, 383. Discussion: George K. Leonard, F. B. Marsh, 980; Berlin C. Moneymaker, R. F. Walter, William F. Prouty, Jacob Feld, A. Warren Si-

monds, 1199; V. L. Minear, C. E. Blee, 1341.

"Permissible Composition and Concentration of Irrigation Water." W. P. Kelley, 607. Discussion: Carl S. Scofield, Walter W. Weir, Robert S. Stockton, 1368; Leon D. Batchelor, 1721.

#### Grouting

"Foundation Experiences, Tennessee Valley Authority": A Symposium. James S. Lewis, Jr., Robert M. Ross, Verne Gongwer, Portland P. Fox, James B. Hays, 383. Discussion: George K. Leonard, F. B. Marsh, 980; Berlen C. Moneymaker, R. F. Walter, William F. Prouty, Jacob Feld, A. Warren Simonds, 1199; V. L. Minear, C. E. Blee, 1341.

"Large Core Drills Aid Construction at Chickamauga Dam." Discussion: J. G. Tripp, James B. Hays, O. N. Floyd, 112; James S. Lewis, Jr., 301.

#### Hangars

"Transatlantic Seaplane Base, Baltimore, Maryland." W. Watters Pagon, 1469.

#### Highways and Roads

"Axioms in Roadway Soil Mechanics." Henry C. Porter, 193. Discussion: Victor J. Brown, 1339; A. A. Eremin, 1526.

"Bridge and Tunnel Approaches." Discussion: Dean G. Edwards, John W. Beretta, 371; George Hartley, 525; George H. Herrold, Park H. Martin, Charles M. Noble, 721; John F. Curtin, 1813.

"Channelization of Motor Traffic." Discussion: W. L. Waters, C. J. Tilden, T. M. Matson, 557; W. W. Crosby, 773; Julian Montgomery, R. M. Reindollar, Irving Mack, Bruce D. Greenshields, T. W. Forbes, James Bixby, 1003; George H. Herrold, Hawley S. Simpson, Arthur G. Straetz, Burton W. Marsh, Virden A. Rittgers, 1109; Guy Kelcey, 1519.

"Design of Dowels in Transverse Joints of Concrete Pavements." Discussion: Bengt F. Friberg, 945.

"Progress Report of a Special Subcommittee of the Committee of the Structural Division on Masonry and Reinforced Concrete on the Practice of State Highway Departments in the Design of Abutments." Edward A. MacLean, 1053. Discussion: J. Wayne Courter, 1349; E. W. Wendell, Stanley Levitt, 1562; Leslie R. Schureman, H. G. Overholt, 1836.

#### Hydraulics

"Design of a High-Head Siphon Spillway." Discussion: Elmer Rock, 666.

"Flash-Board Pins." Discussion: Julian H. White, 185; Harry H. Hatch, 671; Chilton A. Wright and Clifford A. Betts, 1213.

"Hydrology of the Great Lakes": A Symposium. Discussion: G. H. Hickox, C. R. Pettis, Harold C. Hickman, 131.

"Relation of the Statistical Theory of Turbulence to Hydraulics." Discussion: Hunter Rouse, 163; Martin A. Mason, J. C. Stevens, 352; Boris A. Bakmeteff, 581; Clyde W. Hubbard, John S. McNow, Samuel Shulits, 709; Paul Nemenyl, Bennie N. Netzer, 967; A. A. Kalinske, 1220.

"Trend in Hydraulic Turbine Practice": A Symposium. Discussion: W. S. Pardee, Donald H. Mattern, 179; Lewis F. Moody, R. E. B. Sharp, 531; Martin A. Mason, E. Shaw Cole, 735; Paul L. Heslop, J. D. Scoville, 1015; K. W. Beattie, 1373; I. A. Winter, L. M. Davis, 1659.

*See also Water Flow.*

#### Hydrography

"The Unit Hydrograph Principle Applied to Small Water-Sheds." Discussion: Franklin F. Snyder, 150; LeRoy K. Sherman, Raphael G. Kazmann, 317; Waldo E. Smith, 690; E. F. Brater, 1070.

"Water Supply on Upper Salt River, Arizona." Discussion: Dana M. Wood, 553; LeRoy K. Sherman, 777; George F. McEwen, 1117; John Girard, 1327.

#### Irrigation

"Development of the Colorado River in the Upper Basin." Discussion: C. C. Elder, 956; Thomas C. Adams, 1079.

"Permissible Composition and Concentration of Irrigation Water." W. P. Kelley, 607. Discussion: Carl S. Scofield, Walter W. Weir, Robert S. Stockton, 1368; Leon D. Batchelor, 1721.

#### Joints

"Design of Dowels in Transverse Joints of Concrete Pavements." Discussion: Bengt F. Friberg, 945.

#### Lakes

"Hydrology of the Great Lakes": A Symposium. Discussion: G. H. Hickox, C. R. Pettis, Harold C. Hickman, 131.

"Sealing the Lagoon Lining at Treasure Island with Salt." Charles H. Lee, 247. Discussion: G. B. Bodman, John D. Watson, 1187; John W. Pritchett, 1521; Charles H. Lee, 1825.

#### Land

"Proposed Improvements for Land Surveys and Title Transfers." Discussion: Philip Kissam, 285.

#### Law

"Proposed Improvements for Land Surveys and Title Transfers." Discussion: Philip Kissam, 285.

#### Lock-Gates

"Chicago River Control Works." H. P. Ramey, 71. Discussion: A. E. Niederrhoff, R. P. V. Marquardsen, Isaac De-Young, John W. Woermann, Edward Soucek, W. C. Weeks, Henry R. King, 1161; H. P. Ramey, 1833.

#### Masonry Dams

"Masonry Dams": A Symposium. Ivan E. Houk and Kenneth B. Keener, R. S. Lieurance, Charles H. Paul and Joseph Jacobs, Irving B. Crosby, I. L. Tyler, Byram W. Steele, 811. Discussion: William P. Creager, J. R. Shank, George R. Rich, Robert A. Sutherland, Ross M. Riegel, Paul Baumann, W. A. Perkins, L. J. Mensch, Lewis H. Tuthill, 1379; F. A. Nickell, Leslie W. Stocker, Barton M. Jones, P. E. Gislinger, Joseph A. Kitts, S. O. Harper, R. F. Blanks, 1529; Berlen C. Moneymaker, A. Warren Simonds, W. J. E. Binnie, 1697; Homer M. Hadley, 1839.

**Materials of Construction**  
Bibliography. 67.

"Design of Hinges and Articulations in Reinforced Concrete Structures." George C. Ernst, 589. Discussion: A. A. Eremin, 1527.

"Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete." A. E. Lindau, F. E. Richart, F. R. McMillan, J. G. Ahlers, P. H. Bates, H. P. Bigler, A. J. Boase, J. H. Chubb, M. N. Clair, H. G. Farmer, Charles M. Gay, H. J. Gilkey, A. T. Goldbeck, M. Hirschthal, S. C. Hollister, J. B. Hunley, F. H. Jackson, Clarence A. Jensen, A. R. Ketterson, Charles W. Killam, J. F. Leonard, L. S. Moisessoff, B. Moreell, Paul W. Norton, C. L. Post, N. M. Stineman, M. A. Swayne, Stanton Walker, L. W. Walter, June, Pt. 2. Discussion: L. J. Mensch, 1351; John C. Sprague, Walter R. Hnot, 1710; Edward C. Gould, 1846.

*See also Concrete; Reinforced Concrete.*

**Metals**

"Theory of Elastic Stability Applied to Structural Design." Leon S. Moisessoff and Frederick Lienhard, 31. Discussion: Louis Balog, 1713.

**Models**

"An Investigation of Steel Rigid Frames." Inge Lyse and W. E. Black, 1571.

"Model Tests, Bridge Pier Supported on Long Steel Piles." Thomas F. Comber, Jr., and John M. Coan, Jr., 1033.

**Pavement**

"Axioms in Roadway Soil Mechanics." Henry C. Porter, 193. Discussion: Victor J. Brown, 1339; A. A. Eremin, 1526.

"Design of Dowels in Transverse Joints of Concrete Pavements." Discussion: Bengt F. Friberg, 945.

**Percolation**

*See Seepage.*

**Piles**

"Model Tests, Bridge Pier Supported on Long Steel Piles." Thomas F. Comber, Jr., and John M. Coan, Jr., 1033.

**Pipe Lines**

"Effects of Rifting on Four-Inch Pipe Transporting Solids." Discussion: Fred R. Brown, 537; David L. Neuman, 770; R. Y. Newell, Jr., 991; G. W. Howard, 1324.

**Railroad Terminals**

"The Grand Central Terminal in Perspective." William J. Wilgus, 1413. Discussion: F. Lavis, E. R. Hill, Alonso J. Hammond, H. L. Ripley, 1858.

**Railroads**

"The Grand Central Terminal in Perspective." William J. Wilgus, 1413. Discussion: F. Lavis, E. R. Hill, Alonso J. Hammond, H. L. Ripley, 1858.

**Rainfall**

"Permissible Composition and Concentration of Irrigation Water." W. P. Kelley, 607. Discussion: Carl S. Scofield, Walter W. Weir, Robert S. Stockton, 1368; Leon D. Batchelor, 1721.

"Reliability of Station-Year Rainfall-Frequency Determinations." Katharine Clarke-Hastad, 1603.

"The Unit Hydrograph Principle Applied to Small Water-Sheds." Discussion: Franklin F. Snyder, 150; LeRoy K. Sherman, Raphael G. Kazmann, 317; Waldo E. Smith, 690; E. F. Brater, 1070.

"Transient Flood Peaks." Discussion: Ivan E. Houk, 176; Gordon R. Williams, Donald M. Baker, 546; James M. Fox, F. C. Finkle, A. L. Sonderegger, Harold C. Troxell and R. Stanley Lord, 745; Karl J. Bermal, R. W. Davenport, 995; Walter J. Wood and Maxwell F. Burke, 1104; Franklin Thomas, 1327; Henry B. Lynch, 1665.

**Reinforced Concrete**  
Bibliography. 604.

"Plastic Theory of Reinforced Concrete Design." Charles S. Whitney, 1749.

"Progress Report of a Special Subcommittee of the Committee of the Structural Division on Masonry and Reinforced Concrete on the Practice of State Highway Departments in the Design of Abutments." Edward A. MacLean, 1053. Discussion: J. Wayne Courter, 1349; E. W. Wendell, Stanley Levitt, 1562; Leslie R. Schureman, H. G. Overholt, 1836.

**Reports of Committees**

"Progress Report of a Special Subcommittee of the Committee of the Structural Division on Masonry and Reinforced Concrete on the Practice of State Highway Departments in the Design of Abutments." Edward A. MacLean, 1053. Discussion: J. Wayne Courter, 1349; E. W. Wendell, Stanley Levitt, 1562; Leslie R. Schureman, H. G. Overholt, 1836.

"Progress Report of Committee of the Hydraulics Division on Flood-Control Methods: Their Physical and Economic Limitations." John F. Coleman, Harrison P. Eddy, Jr., L. L. Hidinger, E. W. Lane, J. B. Lippincott, J. L. Lytle, Gerard H. Matthes, Charles B. Burdick, 265. Discussion: Lynn Cran dall, 990; Charles H. Paul, W. C. Hammatt, William P. Creager, 1194.

"Progress Report of Sub-Committee No. 2 of the Committee of the Soil Mechanics and Foundations Division on Earth Dams and Embankments on Consolidation of Embankment and Foundation Materials." Glennon Gilboy, Francisco Gomez-Perez, R. M. Haines, J. H. Stratton, K. B. Woods, W. P. Creager, 1491.

"Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel." J. H. Critchett, L. H. Davis, P. J. Freeman, C. F. Goodrich, L. R. Hjorth, Jonathan Jones, W. J. Krefeld, J. R. Lambert, L. E. Moore, J. C. Ogden, N. H. Orr, H. T. Welty, W. M. Wilson, Milton Male, 627. Discussion: H. H. Moss, 1410.

"Progress Report of the Committee of the Flood-Protection Data." Robert F. Ewald, Frederick H. Fowler, Ivan E. Houk, C. W. Kutz, Charles W. Sherman, Gerard H. Matthes, 615. Discussion: Waldo E. Smith, 1225; O. J. Todd, 1347; Gordon R. Williams, 1723.

"Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete." A. E. Lindau, F. E. Richart, F. R. McMillan, J. G. Ahlers, P. H. Bates, H. P. Bigler, A. J. Boase, J. H. Chubb, M. N. Clair, H. G. Farmer, Charles M. Gay, H. J. Gilkey, A. T. Goldbeck, M. Hirschthal, S. C. Hollister, J. B. Hunley, F. H. Jackson, Clarence A. Jensen, A. R. Ketterson, Charles W. Killam, J. F. Leonard, L. S. Moisesciiff, B. Moreell, Paul W. Norton, C. L. Post, N. M. Stineman, M. A. Swayze, Stanton Walker, L. W. Walter, June, Pt. 2. Discussion: L. J. Mensch, 1351; John C. Sprague, Walter R. Hnot, 1710; Edward C. Gould, 1846.

"Sixth Progress Report of Sub-Committee No. 31, Committee on Steel of the Structural Division, on Wind Bracing in Steel Buildings." Discussion: Ethan F. Ball, 115.

#### Reservoirs

"Functional Design of Flood Control Reservoirs." Discussion: J. C. Stevens, Edward J. Bednarski, Ronald A. Kampmeier, Edgar E. Foster, 507; Sherman M. Woodward, M. Kindinger, P. Wilhelm Werner, Waldo E. Smith, 695; J. O. Jones, W. C. Hammatt, 961.

#### River Regulation

See Rivers.

#### Rivers

"Chicago River Control Works." H. P. Ramey, 71. Discussion: A. E. Niederhoff, R. P. V. Marquardsen, Isaac DeYoung, John W. Woermann, Edward Soucek, W. C. Weeks, Henry R. King, 1161; H. P. Ramey, 1833.

"Development of the Colorado River in the Upper Basin." Discussion: C. C. Elder, 956; Thomas C. Adams, 1079.

#### Riveted Joints

"Tension Tests of Large Riveted Joints." Discussion: A. E. Richard de Jonge, 673; E. C. Hartmann and Marshall Holt, 951; Raymond E. Davis, Glenn B. Woodruff, and Harmer E. Davis, 1065.

#### Roads

See Highways and Roads: Pavement.

#### Runoff

"Functional Design of Flood Control Reservoirs." Discussion: J. C. Stevens, Edward J. Bednarski, Ronald A. Kampmeier, Edgar E. Foster, 507; Sherman M. Woodward, M. Kindinger, P. Wilhelm Werner, Waldo E. Smith, 695; J. O. Jones, W. C. Hammatt, 961.

"Maximum Probable Floods on Pennsylvania Streams." Charles F. Ruff, 1239. Discussion: Joseph L. Benson, H. Alden Foster, Edgar E. Foster, 1849.

See also Rainfall.

#### Salt

"Permissible Composition and Concentration of Irrigation Water." W. P. Kelley, 607. Discussion: Carl S. Scofield, Walter W. Weir, Robert S. Stockton, 1368; Leon D. Batchelor, 1721.

"Sealing the Lagoon Lining at Treasure Island with Salt." Charles H. Lee, 247. Discussion: G. B. Bodman, John D. Watson, 1187; John W. Pritchett, 1521; Charles H. Lee, 1825.

#### Sand

"Effects of Rifling on Four-Inch Pipe Transporting Solids." Discussion: Fred R. Brown, 537; David L. Neuman, 770; R. Y. Newell, Jr., 991; G. W. Howard, 1324.

"Expansion of Concrete Through Reaction Between Cement and Aggregate." Thomas E. Stanton, 1781.

#### Sanitation

"The Rôle of the Engineer in Air Sanitation: A Symposium." Discussion: Theodore Hatch, Donald Francis Griffin, Gordon M. Fair, H. G. Dykter, 363; Gilbert H. Dunstan, Charles Lundy Pool, 1097; J. J. Bloomfield, 1317.

#### Seepage

"Analysis of Legal Concepts of Subflow and Percolating Waters." Discussion: Donald M. Baker, 378; Samuel C. Wiel, Hyde Forbes, Ronald B. Harris, 779; Edward F. Treadwell, O. E. Meinzer, M. R. Lewis, Bayard F. Snow, 1020; Harold Conkling, 1130.

#### Sewage Disposal

"Pollution of Boston Harbor." Discussion: Harrison P. Eddy, Jr. and Samuel A. Greeley, 312; George A. Soper, Arthur D. Weston and Gail P. Edwards, 648.

"Problems and Trends in Activated Sludge Practice." Discussion: Langdon Pearce, 519; Frank C. Roe, Gerard A. Rohlrich and Clair N. Sawyer, 717; E. Sherman Chase, 1101; Robert T. Regester, 1319.

"Sewage Disposal Project of Buffalo, New York." Discussion: Arthur J. Bulger, C. R. Velzy, 739; Thomas M. Niles, 964.

#### Sewage Treatment

See Sewage Disposal.

#### Sewage Works

See Sewage Disposal.

#### Sewerage

"Pollution of Boston Harbor." Discussion: Harrison P. Eddy, Jr. and Samuel A. Greeley, 312; George A. Soper, Arthur D. Weston and Gail P. Edwards, 648.

#### Shale

"Expansion of Concrete Through Reaction Between Cement and Aggregate." Thomas E. Stanton, 1781.

"Field Tests of a Shale Foundation." Discussion: Harry H. Hatch, 117; Jacob Field, 321; Jack R. Rountree, August E. Niederhoff, 1217.

"Fort Peck Slide." T. A. Middlebrooks, 1729.

#### Shore Protection

"Beach Erosion Studies." Discussion: Charles T. Leeds, 303; Earl I. Brown, 501.

#### Signalling

"Combining Geodetic Survey Methods with Cadastral Surveys." Discussion: Phillip Kissam, 153; Gordon Macleish, 332; Carl M. Berry, 1075.

#### Siphons

"Design of a High-Head Siphon Spillway." Discussion: Elmer Rock, 666.

**Slabs**

"Plastic Theory of Reinforced Concrete Design." Charles S. Whitney, 1749.

**Soils**

"Axioms in Roadway Soil Mechanics." Henry C. Porter, 193. Discussion: Victor J. Brown, 1339; A. A. Eremin, 1526. "Fort Peck Slide." T. A. Middlebrooks, 1729.

"Progress Report of a Special Subcommittee of the Committee of the Structural Division on Masonry and Reinforced Concrete on the Practice of State Highway Departments in the Design of Abutments." Edward A. MacLean, 1053. Discussion: J. Wayne Courter, 1349; E. W. Wendell, Stanley Levitt, 1502; Leslie R. Schureman, H. G. Overholt, 1836.

"Progress Report of Sub-Committee No. 2 of the Committee of the Soil Mechanics and Foundations Division on Earth Dams and Embankments on Consolidation of Embankment and Foundation Materials." Glenn Gilboy, Francisco Gomez-Perez, R. M. Haines, J. H. Stratton, K. B. Woods, W. P. Creager, 1491.

"Transatlantic Seaplane Base, Baltimore, Maryland." W. Watters Pagon, 1469.

**Spillways**

"Design of a High-Head Siphon Spillway." Discussion: Elmer Rock, 666.

"Flash-Board Pins." Discussion: Julian H. White, 185; Harry H. Hatch, 671; Chilton A. Wright and Clifford A. Betts, 1213.

"Lateral Spillway Channels." Discussion: Thomas R. Camp, 107.

**Steel**

"Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel." J. H. Critchett, L. H. Davis, P. J. Freeman, C. F. Goodrich, L. R. Hjorth, Jonathan Jones, W. J. Krefeld, J. R. Lambert, L. E. Moore, J. C. Ogden, N. H. Orr, H. T. Welty, W. M. Wilson, Milton Male, 627. Discussion: H. H. Moss, 1410.

**Strength of Materials**

"Theory of Limit Design." Discussion: L. H. Donnell, 121; J. A. Van den Broek, 287.

**Stress and Strain**

"An Investigation of Steel Rigid Frames." Inge Lyse and W. E. Black, 1571.

"Design of Dowels in Transverse Joints of Concrete Pavements." Discussion: Bengt F. Friberg, 945.

"Earthquake Stresses in the San Francisco-Oakland Bay Bridge." Norman C. Raab and Howard C. Wood, 1447. Discussion: Maurice A. Blot, 1864.

"Effective Moment of Inertia of a Riveted Plate Girder." Discussion: Charles M. Spofford, E. Mirabelli, Edward Godfrey, Walter H. Weiskopf, C. D. Williams, 167; Alvin B. Auerbach, Jonathan Jones, R. L. Moore, 357; J. M. Garrels and I. E. Madsen, Francis P. Witmer, A. W. Fischer, 541; J. R. Shank, Harold D. Hussey, 984; Charles U. Kring, Thomas C. Shedd, Scott B. Lilly and Samuel T. Carpenter, 1089.

"Graphical Arch Analysis Applicable to Arch Dams." Discussion: C. H. Hellbron, Jr., and William H. Saylor, 283.

"Model Tests, Bridge Pier Supported on Long Steel Piles." Thomas F. Comber, Jr., and John M. Coan, Jr., 1033.

"Simplified Wind-Stress Analysis of Tall Buildings." Discussion: Otto Gottschalk, 651.

"Stress Distribution Around a Tunnel." Discussion: J. H. A. Brahtz, 323; Raymond D. Mindlin, 1063.

"Superstructure of Theme Building of New York World's Fair." Shortridge Hardesty and Alfred Hedefine, 1277.

"Tension Tests of Large Riveted Joints." Discussion: A. E. Richard de Jonge, 673; E. C. Hartmann and Marshall Holt, 951; Raymond E. Davis, Glenn B. Woodruff, and Harmer E. Davis, 1065.

"Theory of Elastic Stability Applied to Structural Design." Leon S. Moisessoff and Frederick Lienhard, 31. Discussion: Louis Balog, 1713.

"Theory of Limit Design." Discussion: L. H. Donnell, 121; J. A. Van den Broek, 287.

**Structural Steel**

See Steel.

**Structures, Theory of**

"An Investigation of Steel Rigid Frames." Inge Lyse and W. E. Black, 1571.

"Graphical Arch Analysis Applicable to Arch Dams." Discussion: C. H. Hellbron, Jr., and William H. Saylor, 283.

"Plastic Theory of Reinforced Concrete Design." Charles S. Whitney, 1749.

"Simplified Wind-Stress Analysis of Tall Buildings." Discussion: Otto Gottschalk, 651.

"Stress Distribution Around a Tunnel." Discussion: J. H. A. Brahtz, 323; Raymond D. Mindlin, 1063.

"Theory of Elastic Stability Applied to Structural Design." Leon S. Moisessoff and Frederick Lienhard, 31. Discussion: Louis Balog, 1713.

"Theory of Limit Design." Discussion: L. H. Donnell, 121; J. A. Van den Broek, 287.

**Surveying**

"An Improved Method for Adjusting Level and Traverse Surveys." Discussion: George H. Dell, Howard S. Rappleby, 159; R. M. Wilson, Cleveland B. Coe, George D. Whitmore and C. C. Miner and W. O. Byrd, 341; Robert C. Sheldon, 517; Clarence Norris and Julius L. Speert, 1085.

"Combining Geodetic Survey Methods with Cadastral Surveys." Discussion: Philip Kissam, 153; Gordon Macleish, 332; Carl M. Berry, 1075.

"Miniature System of First-Order Aline-ment and Triangulation Control." Discussion: William Bowie, Earl O. Heaton, George H. Dell, Charles B. Stanton, C. L. Garner, 1133.

"Proposed Improvements for Land Surveys and Title Transfers." Discussion: Philip Kissam, 285.

**Surveys**  
See Surveying.

**Terminal Stations**  
*See Railroad Terminals.*

**Tolls**  
*See Bridge Tolls.*

**Topography**

"Development of the Colorado River in the Upper Basin." Discussion: C. C. Elder, 956; Thomas C. Adams, 1079.

**Traffic**

"Bridge and Tunnel Approaches." Discussion: Dean G. Edwards, John W. Beretta, 371; George Hartley, 525; George H. Herrold, Park H. Martin, Charles M. Noble, 721; John F. Curtin, 1813.

"Channelization of Motor Traffic." Discussion: W. L. Waters, C. J. Tilden, T. M. Matson, 557; W. W. Crosby, 773; Julian Montgomery, R. M. Reindollar, Irving Mack, Bruce D. Greenshields, T. W. Forbes, James Bixby, 1003; George H. Herrold, Hawley S. Simpson, Arthur G. Straetz, Burton W. Marsh, Virden A. Rittgers, 1109; Guy Kelcey, 1519.

"Measuring the Potential Traffic of a Proposed Vehicular Crossing." N. Cherniack, 207. Discussion: Murray D. Van Wagoner, 1184; Charles B. Winkler, James H. S. Melville, 1329; N. Cherniack, 1679.

**Triangulation**

"Combining Geodetic Survey Methods with Cadastral Surveys." Discussion: Philip Kissam, 153; Gordon Macleish, 332; Carl M. Berry, 1075.

**Trusses**

"Superstructure of Theme Building of New York World's Fair." Shortridge Hardesty and Alfred Hedefine, 1277.

**Tunnels**

"Stress Distribution Around a Tunnel." Discussion: J. H. A. Brahtz, 323; Raymond D. Mindlin, 1063.

**Turbines (Water)**

"Trend in Hydraulic Turbine Practice": A Symposium. Discussion: W. S. Pardee, Donald H. Mattern, 179; Lewis F. Moody, R. E. B. Sharp, 531; Martin A.

Mason, E. Shaw Cole, 735; Paul L. Heslop, J. D. Scoville, 1015; K. W. Beattie, 1373; I. A. Winter, L. M. Davis, 1659.

**Ventilation**

"The Rôle of the Engineer in Air Sanitation": A Symposium. Discussion: Theodore Hatch, Donald Francis Griffin, Gordon M. Fair, H. G. Dykter, 363; Gilbert H. Dunstan, Charles Lundy Pool, 1097; J. J. Bloomfield, 1317.

**Water, Flow of, in Open Channels**

"Design of an Open-Channel Control Section." Discussion: George E. Barnes, Karl R. Kennison, 143.

**Water, Flow of, Over Dams and Weirs**

"Pressure-Momentum Theory Applied to the Broad-Crested Weir." Discussion: J. C. Stevens, H. G. Wilm, 563; I. M. Neldov, 804; John W. Hackney, Thomas H. Prentice, Boris A. Bakmeteff, D. D. Curtis, Carl Rohwer, John Hedberg, 1119.

**Water Laws**

"Analysis of Legal Concepts of Subflow and Percolating Waters." Discussion: Donald M. Baker, 378; Samuel C. Wiel, Hyde Forbes, Ronald B. Harris, 779; Edward F. Treadwell, O. E. Meinzer, M. R. Lewis, Bayard F. Snow, 1020; Harold Conkling, 1130.

**Water Storage**

"Water Supply on Upper Salt River, Arizona." Discussion: Dana M. Wood, 553; LeRoy K. Sherman, 777; George F. McEwen, 1117; John Girard, 1327.

**Weirs**

*See Water, Flow of, Over Dams and Weirs.*

**Wind Bracing**

"Sixth Progress Report of Sub-Committee No. 31, Committee on Steel of the Structural Division, on Wind Bracing in Steel Buildings." Discussion: Ethan F. Ball, 115.

**Wind Pressure**

"Superstructure of Theme Building of New York World's Fair." Shortridge Hardesty and Alfred Hedefine, 1277.

## AUTHOR INDEX

- Ackerman, Adolph J.**  
Norris Dam construction cableways. 1671.  
Professional conduct. 1688.
- Adams, Thomas C.**  
Colorado River. 1079.
- Ahlers, J. G.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Allen, C. Frank**  
Professional conduct. 1145.
- Auerbach, Alvin B.**  
Moment of inertia of girder. 357.
- Ayres, E. D.**  
Professional conduct. 1156.
- Ayres, Lewis E.**  
Professional conduct. 571.
- Bailey, Frank S.**  
Professional conduct. 1149.
- Baker, Donald M.**  
Ground-water laws. 378.  
Transient flood peaks. 549.
- Bakhmeteff, Boris A.**  
Pressure-momentum theory for weirs. 1124.  
Theory of turbulence. 581.
- Ball, Ethan F.**  
Wind bracing in steel buildings. 115.
- Balog, Louis**  
Elastic stability. 1713.
- Bannerman, Gordon H.**  
Norris Dam construction cableways. 793.
- Barnes, Fred Asa**  
Professional conduct. 1159.
- Barnes, George E.**  
Open-channel control section. 143.
- Batchelor, Leon D.**  
Composition of irrigation water. 1721.
- Bates, P. H.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Baumann, Paul**  
Masonry dams. 1395.
- Beattie, K. W.**  
Hydraulic turbine practice. 1373.
- Bednarski, Edward J.**  
Flood control reservoirs. 510.
- Benson, Joseph L.**  
Pennsylvania floods. 1849.
- Beretta, John W.**  
Bridge and tunnel approaches. 373.
- Bermel, Karl J.**  
Transient flood peaks. 995.
- Berry, Carl M.**  
Geodetic and cadastral surveys. 1075.
- Betts, Clifford A.**  
Flash-board pins. 1213.
- Bigler, H. P.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Binnie, W. J. E.**  
Masonry dams. 1702.
- Biot, Maurice A.**  
Earthquake stresses. 1864.
- Birdsall, Blair**  
Norris Dam construction cableways. 1139.
- Bixby, James D.**  
Channelization of motor traffic. 1014.
- Black, W. E.**  
"An Investigation of Steel Rigid Frames." 1571.
- Blanks, R. F.**  
Masonry dams. 1558.
- Blee, C. E.**  
Foundation experiences, TVA. 1345.
- Bloomfield, J. J.**  
Air sanitation. 1317.
- Boase, A. J.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Bodman, G. B.**  
Treasure Island. 1187.
- Bowie, William**  
First-order alignment. 1133.
- Brahtz, J. H. A.**  
Stress distribution. 323.
- Brater, E. F.**  
Unit hydrographs. 1070.
- Brown, Earl L.**  
Beach erosion studies. 501.
- Brown, Fred R.**  
Rifling on pipe lines. 537.
- Brown, Victor J.**  
Roadway soil mechanics. 1339.
- Bulger, Arthur J.**  
Sewage disposal. 739.
- Burdick, C. B.**  
Professional conduct. 799.  
Progress Report of Committee of the Hydraulics Division on Flood-Control Methods: Their Physical and Economic Limitations. 265.
- Burke, Maxwell F.**  
Transient flood peaks. 1104.
- Burmister, Donald M.**  
Wedge theory. 1210.
- Byrd, W. O.**  
Method for adjusting surveys. 347.
- Camp, Thomas R.**  
Spillway channels. 107.
- Carpenter, Samuel T.**  
Moment of inertia of girder. 1093.
- Cate, G. E.**  
Norris Dam construction cableways. 1141.
- Chase, E. Sherman**  
Activated sludge practice. 1101.
- Cherniack, N.**  
"Measuring the Potential Traffic of a Proposed Vehicular Crossing." 207.  
Discussion. 1679.

- Chubb, J. H.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Clair, M. N.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Clarke-Hafstad, Katharine**  
"Reliability of Station-Year Rainfall Frequency Determination." 1603.
- Cean, John M., Jr.**  
"Model Tests, Bridge Pier Supported on Long Steel Piles." 1033.
- Coe, Cleveland B.**  
Method for adjusting surveys. 343.
- Colburn, R. T.**  
Norris Dam construction cableways. 1830.
- Cole, E. Shaw**  
Hydraulic turbine practice. 738.
- Coleman, John F.**  
Progress Report of Committee of the Hydraulics Division on Flood-Control Methods: Their Physical and Economic Limitations. 265.
- Comber, Thomas F., Jr.**  
"Model Tests, Bridge Pier Supported on Long Steel Piles." 1033.
- Conkling, Harold**  
Ground-water laws. 1130.
- Consoer, Arthur W.**  
Professional conduct. 1147.
- Courter, J. Wayne**  
Design of abutments. 1349.
- Crandall, Lynn**  
Flood control methods. 990.
- Crawford, Ivan C.**  
Professional conduct. 573.
- Creager, William P.**  
Flood-control methods. 1197.  
Masonry dams. 1379.
- Critchett, J. H.**  
Progress Report of Sub-Committee No. 2 of the Committee of the Soil Mechanics and Foundations Division on Earth Dams and Embankments on Consolidation of Embankment and Foundation Materials. 1491.
- Crosby, Irving B.**  
Engineering geology. 105.  
"Geological Problems of Dams." 869.
- Crosby, W. W.**  
Channelization of motor traffic. 773.
- Curtin, John F.**  
Bridge and tunnel approaches. 1813.
- Curtis, D. D.**  
Pressure-momentum theory for weirs. 1125.
- Davenport, B. W.**  
Transient flood peaks. 998.
- Davis, Harmer E.**  
Tests of riveted joints. 1065.
- Davis, L. H.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Davis, L. M.**  
Hydraulic turbine practice. 1663.
- Davis, Raymond E.**  
Tests of riveted joints. 1065.
- de Jonge, A. E. Richard**  
Tests of riveted joints. 673.
- Dell, George H.**  
First-order alignment. 1134.  
Improved method for adjusting surveys. 159.
- De Young, Isaac**  
Chicago River control works. 1173.
- Donnell, L. H.**  
Theory of limit design. 121.
- Dunstan, Gilbert H.**  
Air sanitation. 1097.
- Dyktor, H. G.**  
Air sanitation. 369.
- Eddy, Harrison P., Jr.**  
Pollution of Boston Harbor. 312.  
Progress Report of Committee of the Hydraulics Division on Flood-Control Methods: Their Physical and Economic Limitations. 265.
- Edwards, Dean G.**  
Bridge and tunnel approaches. 371.
- Edwards, Gall P.**  
Pollution of Boston Harbor. 649.
- Elder, C. C.**  
Colorado River. 956.
- Eremin, A. A.**  
Reinforced concrete hinges. 1527.  
Roadway soil mechanics. 1526.
- Ernst, George C.**  
"Design of Hinges and Articulations in Reinforced Concrete Structures." 589.  
Professional conduct. 1148.
- Evans, M. J.**  
Professional conduct. 795.
- Ewald, Robert F.**  
Progress Report of the Committee on Flood-Protection Data. 615.
- Fair, Gordon M.**  
Air sanitation. 366.
- Farmer, H. G.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Feld, Jacob**  
Foundation experiences, TVA. 1205.  
Tests of a shale foundation. 321.  
Wedge theory. 349.
- Finkle, F. C.**  
Transient flood peaks. 749.
- Fischer, A. W.**  
Moment of inertia of girder. 544.
- Floyd, O. N.**  
Core drills at Chickamauga Dam. 114.
- Forbes, Hyde**  
Ground-water laws. 786.
- Forbes, T. W.**  
Channelization of motor traffic. 1009.

- Foster, Edgar E.**  
Flood control reservoirs. 515.  
Pennsylvania floods. 1855.
- Foster, H. Alden**  
Pennsylvania floods. 1853.
- Foster, J. S.**  
Norris Dam construction cableways. 584.
- Fowler, Frederick**  
Progress Report of the Committee on Flood-Protection Data. 615.
- Fox, James M.**  
Transient flood peaks. 745.
- Fox, Portland P.**  
"Foundation Exploration and Geologic Studies at Chickamauga Dam." 463.
- Freeman, P. J.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Friborg, Bengt F.**  
Dowels in concrete pavements. 945.
- Garnier, C. L.**  
First-order alinement. 1136.
- Garreits, J. M.**  
Moment of inertia of girder. 541.
- Gay, Charles M.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Gilboy, Glennon**  
Progress Report of Sub-Committee No. 2 of the Committee of the Soil Mechanics and Foundations Division on Earth Dams and Embankments on Consolidation of Embankment and Foundation Materials. 1491.
- Gilkey, H. J.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Girard, John**  
Arizona water supply. 1327.
- Gisiger, P. E.**  
Masonry dams. 1540.
- Godfrey, Edward**  
Moment of inertia of girder. 171.
- Goldbeck, A. T.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Gomez-Perez, Francisco**  
Progress Report of Sub-Committee No. 2 of the Committee of the Soil Mechanics and Foundations Division on Earth Dams and Embankments on Consolidation of Embankment and Foundation Materials. 1491.
- Gongwer, Verne**  
"Foundation Conditions and Treatment at Guntersville Dam." 431.
- Goodrich, C. F.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Gottschalk, Otto**  
Wind-stress analysis. 651.
- Gould, Edward C.**  
Concrete and reinforced concrete. 1846.
- Gow, Charles R.**  
Professional conduct. 575.
- Greeley, Samuel A.**  
Pollution of Boston Harbor. 312.
- Greenshields, Bruce D.**  
Channelization of motor traffic. 1008.
- Griffin, Donald Francis**  
Air sanitation. 365.
- Hackney, John W.**  
Pressure-momentum theory for weirs. 1119.
- Hadley, Homer M.**  
Masonry dams. 1839.
- Haines, R. M.**  
Progress Report of Sub-Committee No. 2 of the Committee of the Soil Mechanics and Foundations Division on Earth Dams and Embankments on Consolidation of Embankment and Foundation Materials. 1491.
- Hammatt, W. C.**  
Flood-control methods. 1195.  
Flood control reservoirs. 963.
- Hammond, Alonzo J.**  
Grand Central terminal. 1860.  
Professional conduct. 797.
- Hardesty, Shortridge**  
"Superstructure of Theme Building of New York World's Fair." 1277.
- Harper, S. O.**  
Masonry dams. 1553.
- Harris, Ronald B.**  
Ground-water laws. 790.
- Hartley, George**  
Bridge and tunnel approaches. 525.
- Hartmann, E. C.**  
Tests of riveted joints. 951.
- Hatch, Harry H.**  
Flash-board pins. 671.  
Tests of a shale foundation. 117.
- Hatch, Theodore**  
Air sanitation. 363.
- Hayes, John M.**  
Professional conduct. 800.
- Hays, James B.**  
Core drills at Chickamauga Dam. 113.  
"Foundation Treatment at Chickamauga Dam." 478.
- Heaton, Earl O.**  
First-order alinement. 1134.
- Hedberg, John**  
Pressure-momentum theory for weirs. 1129.
- Hedefine, Alfred**  
"Superstructure of Theme Building of New York World's Fair." 1277.
- Heilbron, Carl H., Jr.**  
Graphical arch analysis. 283.
- Herrold, George H.**  
Bridge and tunnel approaches. 721.  
Channelization of motor traffic. 1109.
- Heslop, Paul L.**  
Hydraulic turbine practice. 1015.
- Hickman, Harold C.**  
Hydrology of the Great Lakes. 138.

- Hickox, G. H.**  
Hydrology of the Great Lakes. 131.
- Hidinger, L. L.**  
Progress Report of Committee of the Hydraulics Division on Flood-Control Methods: Their Physical and Economic Limitations. 265.
- Hill, E. R.**  
Grand Central terminal. 1859.
- Hirschthal, M.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Hjorth, L. R.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Hnot, Walter R.**  
Concrete and reinforced concrete. 1712.
- Hollister, S. C.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Holt, Marshall**  
Tests of riveted joints. 951.
- Houk, Ivan E.**  
"Basic Design Assumptions." 813.  
Progress Report of the Committee on Flood-Protection Data. 615.  
Transient flood peaks. 176.
- Howard, G. W.**  
Professional conduct. 801.  
Rifling of pipe lines. 1324.
- Hubbard, Clyde W.**  
Theory of turbulence. 709.
- Hunley, J. B.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Hussey, Harold D.**  
Moment of inertia of girder. 986.
- Jackson, F. H.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Jacobs, Joseph.**  
"Preparation of Foundations." 852.
- Jensen, Clarence A.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Jones, Barton M.**  
Masonry dams. 1538.
- Jones, J. O.**  
Flood control reservoirs. 961.
- Jones, Jonathan**  
Moment of inertia of girder. 359.  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Kalinske, A. A.**  
Theory of turbulence. 1229.
- Kampmeier, Ronald A.**  
Flood control reservoirs. 513.
- Kazmann, Raphael G.**  
Unit hydrographs. 319.
- Keener, Kenneth B.**  
"Basic Design Assumptions." 813.
- Kelcey, Guy**  
Channelization of motor traffic. 1519.
- Kelley, W. P.**  
"Permissible Composition and Concentration of Irrigation Water." 607.
- Kennison, Karl R.**  
Open-channel control section. 147.
- Ketterson, A. R.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Killam, Charles W.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Kindinger, M.**  
Flood control reservoirs. 696.
- King, Henry R.**  
Chicago River control works. 1182.
- Kissam, Philip**  
Geodetic and cadastral surveys. 153.  
Title transfers. 285.
- Kitts, Joseph A.**  
Masonry dams. 1543.
- Krefeld, W. J.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Kring, Charles U.**  
Moment of inertia of girder. 1089.
- Kutz, C. W.**  
Progress Report of the Committee on Flood-Protection Data. 615.
- Lambert, J. R.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Lane, E. W.**  
Progress Report of Committee of the Hydraulics Division on Flood-Control Methods: Their Physical and Economic Limitations. 265.
- Lavis, F.**  
Grand Central terminal. 1859.
- Lee, Charles H.**  
"Sealing the Lagoon Lining at Treasure Island with Salt." 247. Discussion. 1825.
- Leeds, Charles T.**  
Beach erosion studies. 303.
- Lemcke, Karl W.**  
Professional conduct. 1153.
- Leonard, George K.**  
Foundation experiences, TVA. 980.

- Leonard, J. F.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Levitt, Stanley**  
Design of abutments. 1567.
- Lewis, James S., Jr.**  
Core drills at Chickamauga Dam. 301.  
"Foundation Treatment and Reservoir Rim Tightening at Norris Dam." 385.
- Lewis, M. R.**  
Ground-water laws. 1024.
- Lienhard, Frederick**  
"Theory of Elastic Stability Applied to Structural Design." 31.
- Lieurance, R. S.**  
"Design of Arch Dams." 829.
- Lilly, Scott B.**  
Moment of inertia of girder. 1093.
- Lindau, A. E.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Lippincott, J. B.**  
Progress Report of Committee of the Hydraulics Division on Flood-Control Methods: Their Physical and Economic Limitations. 265.
- Lord, R. Stanley**  
Transient flood peaks. 757.
- Lynch, Henry B.**  
Transient flood peaks. 1665.
- Lyse, Inge**  
"An Investigation of Steel Rigid Frames." 1571.
- Lytel, J. L.**  
Progress Report of Committee of the Hydraulics Division on Flood-Control Methods: Their Physical and Economic Limitations. 265.
- Mack, Irving**  
Channelization of motor traffic. 1007.
- MacLean, Edward A.**  
Progress Report of a Special Subcommittee of the Committee of the Structural Division on Masonry and Reinforced Concrete on the Practice of State Highway Departments in the Design of Abutments. 1053.
- Macleish, Gordon**  
Geodetic and cadastral surveys. 332.
- McCosh, S. A.**  
Professional conduct. 1150.
- McCullough, Conde B.**  
Walpole-Bellows Falls Bridge. 125.
- McDaniell, A. B.**  
Professional conduct. 798.
- McEwen, George F.**  
Arizona water supply. 1117.
- McMillan, F. R.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- McNew, J. T. L.**  
Professional conduct. 577.
- McNown, John S.**  
Theory of turbulence. 711.
- Madsen, I. E.**  
Moment of inertia of girder. 541.
- Male, Milton**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Marquardsen, R. P. V.**  
Chicago River control works. 1163.
- Marsh, Burton W.**  
Channelization of motor traffic. 1113.
- Marsh, F. B.**  
Foundation experiences, TVA. 983.
- Martin, Park H.**  
Bridge and tunnel approaches. 722.
- Mason, Martin A.**  
Hydraulic turbine practice. 735.  
Theory of turbulence. 352.
- Matson, T. M.**  
Channelization of motor traffic. 560.
- Mattern, Donald H.**  
Hydraulic turbine practice. 180.
- Matthes, Gerard H.**  
Progress Report of Committee of the Hydraulics Division on Flood-Control Methods: Their Physical and Economic Limitations. 265.  
Progress Report of the Committee on Flood-Protection Data. 615.
- Mead, C. A.**  
Professional conduct. 1159.
- Mead, Daniel W.**  
"Standards of Professional Relations and Conduct." 3. Discussion. 1689.
- Meinzer, O. E.**  
Ground-water laws. 1022.
- Melville, James H. S.**  
Measuring vehicular traffic. 1336.
- Mensch, L. J.**  
Concrete and reinforced concrete. 1351.  
Masonry dams. 1402. \*
- Meursinge, John H.**  
Professional conduct. 1150.
- Middlebrooks, T. A.**  
"Fort Peck Slide." 1729.
- Mindlin, Raymond D.**  
Stress distribution. 1063.
- Minear, V. L.**  
Foundation experiences, TVA. 1341.
- Miner, C. C.**  
Method for adjusting surveys. 347.
- Mirabelli, E.**  
Moment of inertia of girder. 168.
- Molsseiff, Leon S.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.  
"Theory of Elastic Stability Applied to Structural Design." 31.
- Moneymaker, Berlen C.**  
Foundation experiences, TVA. 1199.  
Masonry dams. 1697.
- Montgomery, Julian**  
Channelization of motor traffic. 1003.

- Moody, Lewis F.**  
Hydraulic turbine practice. 531.
- Moore, L. E.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Moore, R. L.**  
Moment of inertia of girder. 360.
- Morell, B.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Moss, H. H.**  
Flame cutting. 1410.
- Neilson, I. M.**  
Pressure-momentum theory for weirs. 804.
- Nelson, H. M.**  
Walpole-Bellows Falls Bridge. 129.
- Nemeyni, Paul**  
Theory of turbulence. 967.
- Netzer, Bennie N.**  
Theory of turbulence. 978.
- Neuman, David L.**  
Rifling on pipe lines. 770.
- Newell, R. Y.**  
Rifling on pipe lines. 901.
- Nickell, F. A.**  
Masonry dams. 1529.
- Niederhoff, August E.**  
Chicago River control works. 1161.  
Tests of a shale foundation. 1222.
- Niles, Thomas M.**  
Sewage disposal. 964.
- Noble, Charles M.**  
Bridge and tunnel approaches. 727.
- Norris, Clarence**  
Method for adjusting surveys. 1085.
- Norton, Paul W.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Ogden, J. C.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Orr, N. H.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Overholt, H. G.**  
Design of abutments. 1837.
- Pagon, W. Watters**  
"Transatlantic Seaplane Base, Baltimore, Maryland." 1469.
- Pardoe, W. S.**  
Hydraulic turbine practice. 179.
- Paul, Charles H.**  
Flood-control methods. 1194.  
"Preparation of Foundations." 852.
- Pearce, Langdon**  
Activated sludge practice. 519.
- Peek, John Sanford**  
Professional conduct. 1154.
- Peckworth, Howard F.**  
Wedge theory. 155.
- Perkins, W. A.**  
Masonry dams. 1398.
- Pettis, C. R.**  
Hydrology of the Great Lakes. 135.
- Pool, Charles Lundy**  
Air sanitation. 1098.
- Porter, Henry C.**  
"Axioms in Roadway Soil Mechanics." 193.
- Post, C. L.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Prentice, Thomas H.**  
Pressure-momentum theory for weirs. 1122.
- Pritchett, John W.**  
Treasure Island. 1521.
- Prouty, William F.**  
Foundation experiences, TVA. 1204.
- Raab, Norman C.**  
"Earthquake Stresses in the San Francisco-Oakland Bay Bridge." 1447.
- Ramey, H. P.**  
"Chicago River Control Works." 71.  
Discussion. 1833.
- Rapleye, Howard S.**  
Improved method for adjusting surveys. 163.
- Regester, Robert T.**  
Activated sludge practice. 1319.
- Reindollar, R. M.**  
Channelization of motor traffic. 1006.
- Rich, George R.**  
Masonry dams. 1385.
- Richard, F. E.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Riegel, Ross M.**  
Masonry dams. 1394.
- Ripley, H. L.**  
Grand Central terminal. 1862.
- Rittgers, Virden A.**  
Channelization of motor traffic. 1115.
- Rock, Elmer**  
High-head siphon spillways. 666.
- Roe, Frank C.**  
Activated sludge practice. 717.
- Rohlich, Gerard A.**  
Activated sludge practice. 718.
- Rohwer, Carl**  
Pressure-momentum theory for weirs. 1127.
- Ross, Robert M.**  
"Foundation Exploration and Geologic Studies at Guntersville Dam." 420.
- Rountree, Jack E.**  
Tests of a shale foundation. 1217.
- Rouse, Hunter**  
Theory of turbulence. 165.
- Ruff, Charles F.**  
"Maximum Probable Floods on Pennsylvania Streams." 1239.

- Sackett, R. L.  
Professional conduct. 796.
- Sawyer, Clair N.  
Activated sludge practice. 718.
- Saylor, William H.  
Graphical arch analysis. 283.
- Schmidt, L. A., Jr.  
Norris Dam construction cableways. 1830.
- Schuleen, Emil P.  
"Cavitation in Outlet Conduits of High Dams." 1623.
- Schureman, Leslie R.  
Design of abutments. 1836.
- Scofield, Carl S.  
Composition of irrigation water. 1368.
- Scott, Charles F.  
Professional conduct. 795.
- Scoville, J. D.  
Hydraulic turbine practice. 1016.
- Shank, J. R.  
Masonry dams. 1384.  
Moment of inertia of girder. 984.
- Sharp, R. E. B.  
Hydraulic turbine practice. 534.
- Shedd, Thomas C.  
Moment of inertia of girder. 1090.
- Sheldon, Robert C.  
Method for adjusting surveys. 517.
- Sherman, Charles W.  
Progress Report of the Committee on Flood-Protection Data. 615.
- Sherman, LeRoy K.  
Arizona water supply. 777.  
Unit hydrographs. 317.
- Shultz, Samuel  
Theory of turbulence. 713.
- Simonds, A. Warren  
Foundation experiences, TVA. 1206.  
Masonry dams. 1700.
- Simpson, Hawley S.  
Channelization of motor traffic. 1110.
- Smith, Waldo E.  
Flood control reservoirs. 702.  
Flood-protection data. 1225.  
Unit hydrographs. 690.
- Snow, Bayard F.  
Ground-water laws. 1025.
- Snyder, Franklin F.  
Unit hydrographs. 150.
- Sonderegger, A. L.  
Transient flood peaks. 752.
- Soper, George A.  
Pollution of Boston Harbor. 648.
- Soucek, Edward  
Chicago River control works. 1178.
- Spangler, M. G.  
Wedge theory. 707.
- Speert, Julius L.  
Method for adjusting surveys. 1085.
- Spoofford, Charles M.  
Moment of inertia of girder. 167.
- Sprague, John C.  
Concrete and reinforced concrete. 1710.
- Stanton, Charles B.  
First-order alignment. 1135.
- Stanton, Thomas E.  
"Expansion of Concrete Through Reaction Between Cement and Aggregate." 1781.
- Steele, Byram W.  
"Construction Joints." 908.
- Stevens, J. C.  
Flood control reservoirs. 507.  
Pressure-momentum theory for weirs. 563.  
Theory of turbulence. 355.
- Stineman, N. M.  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Stockier, Leslie W.  
Masonry dams. 1534.
- Stockton, Robert S.  
Composition of irrigation water. 1370.
- Stratz, Arthur G.  
Channelization of motor traffic. 1112.
- Stratton, J. H.  
Progress Report of Sub-Committee No. 2 of the Committee of the Soil Mechanics and Foundations Division on Earth Dams and Embankments on Consolidation of Embankment and Foundation Materials. 1491.
- Sutherland, Robert A.  
Masonry dams. 1390.
- Swazey, M. A.  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Terzaghi, Karl  
Wedge theory. 1511.
- Thomas, Franklin  
Transient flood peaks. 1337.
- Thomas, Harold A.  
"Cavitation in Outlet Conduits of High Dams." 1623.
- Tilden, C. J.  
Channelization of motor traffic. 558.
- Todd, O. J.  
Flood-protection data. 1347.
- Treadwell, Edward F.  
Ground-water laws. 1020.
- Tripp, J. G.  
Core drills at Chickamauga Dam. 112.
- Troxell, Harold C.  
Transient flood peaks. 757.
- Tschebotareff, Gregory P.  
Settlement studies in Egypt. 633.
- Turneaure, F. E.  
Professional conduct. 1158.
- Tuthill, Lewis H.  
Masonry dams. 1405.
- Tyler, I. L.  
"Concrete Control." 891.
- Van den Broek, J. A.  
Theory of limit design. 287.

- Van Wagoner, Murray D.**  
Measuring vehicular traffic. 1184.
- Velzy, C. R.**  
Sewage disposal. 740.
- Walker, Stanton**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Walter, L. W.**  
Report of a Joint Committee on Recommended Practice and Standard Specifications for Concrete and Reinforced Concrete. June, Pt. 2.
- Walter, R. F.**  
Foundation experiences, TVA. 1203.
- Waters, W. L.**  
Channelization of motor traffic. 557.  
Professional conduct. 580.
- Watson, John D.**  
Treasure Island. 1192.
- Weber, Walter F.**  
Norris Dam construction cableways. 1139.
- Weeks, W. C.**  
Chicago River control works. 1180.
- Weir, Walter W.**  
Composition of irrigation water. 1369.
- Weiskopf, Walter H.**  
Moment of inertia of girder. 172.
- Weity, H. T.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Wendell, E. W.**  
Design of abutments. 1562.
- Werner, P. Wilhelm**  
Flood control reservoirs. 699.
- Weston, Arthur D.**  
Pollution of Boston Harbor. 649.
- Wheeler, Walter H.**  
Professional conduct. 574.
- White, Julian H.**  
Flash-board pins. 185.
- Whitmore, George D.**  
Method for adjusting surveys. 347.
- Whitney, Charles S.**  
"Plastic Theory of Reinforced Concrete Design." 1749.
- Wiel, Samuel C.**  
Ground-water laws. 779.
- Wilgus, William J.**  
"The Grand Central Terminal in Perspective." 1413.
- Williams, C. D.**  
Moment of inertia of girder. 173.
- Williams, Gordon R.**  
Flood-protection data. 1723.  
Transient flood peaks. 546.
- Wilm, H. G.**  
Pressure-momentum theory for weirs. 565.
- Wilson, R. M.**  
Method for adjusting surveys. 341.
- Wilson, W. M.**  
Progress Report of the Committee of the Structural Division on Oxygen Cutting (Flame Cutting) of Structural Steel. 627.
- Winick, Charles B.**  
Measuring vehicular traffic. 1329.
- Winter, I. A.**  
Hydraulic turbine practice. 1659.
- Witmer, Francis P.**  
Moment of inertia of girder. 543.
- Woermann, John W.**  
Chicago River control works. 1174.
- Wood, Dana M.**  
Arizona water supply. 553.
- Wood, Howard C.**  
"Earthquake Stresses in the San Francisco-Oakland Bay Bridge." 1447.
- Wood, Walter J.**  
Transient flood peaks. 1104.
- Woodruff, Glenn B.**  
Tests of riveted joints. 1065.
- Woods, K. B.**  
Progress Report of Sub-Committee No. 2 of the Committee of the Soil Mechanics and Foundations Division on Earth Dams and Embankments on Consolidation of Embankment and Foundation Materials. 1491.
- Woodward, Sherman M.**  
Flood control reservoirs. 695.
- Wright, Chilton A.**  
Flash-board pins. 1213.

8  
e  
-  
s.  
e  
g.  
l.  
-  
2  
s  
h  
n